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=> s (transformation (w) cassette#)/bi,ab 439987
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TRANSFORMATION/AB 32137 CASSETTE#/BI
24994 CASSETTE#/AB
L1 20 (TRANSFORMATION (W) CASSETTE#)/BI,AB

=> s l1 not 2011/py 600819 2011/PY
L2 18 L1 NOT 2011/PY

=> s l2 not 2010/py 1933915 2010/PY
L3 12 L2 NOT 2010/PY

=> s l3 not 2009/py 1912317 2009/PY
L4 9 L3 NOT 2009/PY

=> s l4 not 2008/py 1810285 2008/PY
L5 6 L4 NOT 2008/PY

=> s l5 not 2007/py 1729373 2007/PY
L6 6 L5 NOT 2007/PY

=> s l6 not 2006/py 1591787 2006/PY
L7 6 L6 NOT 2006/PY

=> d his
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FILE 'CAPLUS' ENTERED AT 13:50:41 ON 28 APR 2011
L1 20 S (TRANSFORMATION (W) CASSETTE#)/BI,AB
L2 18 S L1 NOT 2011/PY
L3 12 S L2 NOT 2010/PY
L4 9 S L3 NOT 2009/PY
L5 6 S L4 NOT 2008/PY
L6 6 S L5 NOT 2007/PY
L7 6 S L6 NOT 2006/PY

=> d l7 1-6 bib ab

L7 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2011 ACS on STN
AN 2004:593127 CAPLUS <<LOGINID::20110428>>
DN 141:289470
TI VIGS vectors for gene silencing: Many targets, many tools
AU Robertson, Dominique
CS Departments of Botany and Genetics, North Carolina State University, Raleigh, NC, 27695-7612, USA
SO Annual Review of Plant Biology (2004), 55, 495-519 CODEN: ARPBDW
PB Annual Reviews Inc.
DT Journal; General Review
LA English
AB A review. The discovery that plants recognize and degrade invading viral RNA caused a paradigm shift in our understanding of viral/host interactions. Combined with the discovery that plants cosuppress their own genes if they are transformed with homologous transgenes, new models for both plant intercellular communication and viral defense have emerged. Plant biologists adapted homol.-based defense mechanisms triggered by incoming viruses to target individual genes for silencing in a process called virus-induced gene silencing (VIGS). Both VIGS- and dsRNA-contg. ***transformation*** ***cassettes*** are increasingly being used for reverse genetics as part of an integrated approach to detg. gene function. Virus-derived vectors silence gene expression without transformation and selection. However, because viruses also alter gene expression in their host, the process of VIGS must be understood. This review examines how DNA and RNA viruses have been modified to silence plant gene expression. Advantages and disadvantages of VIGS in detg. gene function has been discussed and guidelines for the safe use of viral vectors.
OSC.G 92 THERE ARE 92 CAPLUS RECORDS THAT CITE THIS RECORD (92 CITINGS)
RE.CNT 161 THERE ARE 161 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2011 ACS on STN
AN 2001:122995 CAPLUS <<LOGINID::20110428>>
DN 136:113372
TI Chloroplast transformation in Euglena gracilis: splicing of a group III twintron transcribed from a transgenic psbK operon
AU Doetsch, Natalie A.; Favreau, Mitchell R.; Kuscuoglu, Nesrin; Thompson, Michael D.; Hallick, Richard B.
CS Department of Biochemistry and Molecular Biophysics, University of Arizona, Tucson, AZ, 85721, USA
SO Current Genetics (2001), 39(1), 49-60 CODEN: CUGED5; ISSN: 0172-8083
PB Springer-Verlag
DT Journal
LA English
AB The Escherichia coli aadA gene product, which confers resistance to spectinomycin and streptomycin, has been widely used as a dominant selectable marker for chloroplast transformation of Chlamydomonas and tobacco. An aadA ***transformation*** ***cassette*** was adapted for expression in Euglena gracilis chloroplasts by replacing the Chlamydomonas promoter and 3' untranslated region (UTR) with the E. gracilis psbA promoter and 3' UTR. Transgenic DNA was introduced into E. gracilis chloroplasts by biolistic transformation. Streptomycin- and spectinomycin-resistant colonies were obtained, which screened pos. for the presence of the transforming vector by PCR amplification. Although integration of the transforming DNA into the chloroplast genome was not detected, transforming DNA was stably maintained in the chloroplast as an episomal element during continuous selection on antibiotics. The aadA cassette was also inserted into a transformation vector which contained the independently expressed psbK operon from either E. gracilis or a closely related species, E. stellata. The psbK operon contained at least two group III introns and a group III twintron, was highly expressed, and was only 1.5 kb in length. In transgenic E. gracilis chloroplasts, a truncated E. stellata psbK operon was transcribed, and the resultant pre-mRNA was accurately spliced. This system should allow the first direct anal. of group II and group III intron-splicing mechanisms. In addn., it could prove useful in the study of many other Euglena transcription and processing events.
OSC.G 15 THERE ARE 15 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)
RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2011 ACS on STN
AN 1998:293059 CAPLUS <<LOGINID::20110428>>
DN 129:91014
OREF 129:18647a,18650a

TI Root-directed expression of alien genes in transgenic potato: sarcotoxin and gus
AU Mahler-Slasky, Yael; Galili, Shmuel; Perl, Avihai; Aly, Radi; Wolf, Shmuel; Aviv, Dvora; Galun, Esra
CS Department of Plant Genetics, The Weizmann Institute of Science, Rehovot, Israel
SO Basic Life Sciences (1997), 65(Biology of Root Formation and Development), 187-192 CODEN: BLFSBY; ISSN: 0090-5542
PB Plenum Publishing Corp.
DT Journal
LA English
AB Bacterial pathogens of potato, e.g. Pseudomonas solanacearum, are known to infect potato roots causing severe losses in relatively warm climates. Our intention was to express, in potato roots, a bactericidal peptide that was identified in the larvae of the flesh fly (Sarcophaga peregrina) by Natori and assocs. in 1977. The cDNA coding for this peptide was subsequently isolated and it was termed sarcotoxin 1A (sarco) by these investigators. The resp. protein was also characterized and the mature proteins mass is about 5kDa. We used the Tob promoter that is root specific, to direct sarco expression in roots. In parallel we used the Gus gene as a reporter gene for this (Tob) promoter activity. Thus, two constructions of fusion genes were made. In one we inserted Tob up-stream of sarco and in the second Tob was inserted up-stream of Gus. In both cases the coding region was followed by a terminator. Both ***transformation*** ***cassettes*** contained also a kanamycin (kana) resistance gene (nptII) that was inserted as a selective marker under the 35S (CaMV) promoter. Agrobacterium-mediated genetic transformation was performed with potato tuber disks. Five potato cultivars and breeding lines were used: Desiree, Achirana INTA, LT-9, TS-10, TS-15. Potato plants that regenerated from Agrobacterium infected tuber-disks and rooted on selective medium were regarded putative transformants and were further analyzed. We found that putative transformants that resulted from transformation of a vector that contained Gus driven by Tob, indeed expressed the reporter gene in their roots. This verified the potency and specificity of the chimeric genes in the transformation vector. Polyclonal anti-sarco antibodies were produced and used to evaluate the expression of sarco in the putative transgenic potato plants. Preliminary western blot assays indicated that indeed the roots of some of the plants that were transformed with the chimeric-gene that contained the Tob promoter and the sarco cDNA, showed bands that reacted with the anti-sarco antibodies.
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2011 ACS on STN
AN 1997:568296 CAPLUS <<LOGINID::20110428>>
DN 127:230348
OREF 127:44819a,44822a
TI Recombinant expression cassettes for transformation of plant or other eukaryotes and regulation of gene expression in eukaryotes
IN Teasdale, Robert Dixon; Mouradov, Aidyn; Southerton, Simon George; Sawbridge, Timothy Ivor
PA Forbio Research Pty. Ltd., Australia; Teasdale, Robert Dixon; Mouradov, Aidyn; Southerton, Simon George; Sawbridge, Timothy Ivor
SO PCT Int. Appl., 87 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1 PATENT NO. KIND DATE
APPLICATION NO. DATE ---------- ---- -------- -- ---------- --------
PI WO 9730162 A1 19970821 WO 1997-AU89 19970219 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG CA 2259456 A1 19970821 CA 1997-2259456 19970219 AU 9717132 A 19970902 AU 1997-17132 19970219 EP 882133 A1 19981209 EP 1997-904302 19970219 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO CN 1216066 A 19990505 CN 1997-193833 19970219 JP 2000504577 T 20000418 JP 1997-528833 19970219 NO 9803775 A 19981015 NO 1998-3775 19980818
PRAI AU 1996-8161 A 19960219 WO 1997-AU89 W 19970219
AB There is provided a method of regulating a eukaryotically active gene, comprising transforming a cell with a ***transformation*** ***cassette*** expressing a modulator gene product regulating the eukaryotically gene or its product and a further gene product regulating said modulator gene or its product, the promoters of two of said genes, modulator gene and further genes being selected from inducible promoters and developmental promoters for the same or complementary tissues. The lethal gene expressing barnase, a RNase of B. amyloliquefaciens, is placed under the control of a tissue specific promoter, such as those derived from PrMADS1, 2 or 3 of Pinus radiata or EGM1, 2 or 3 of Eucalyptus grandis. The same tissue specific promoter is used to express LacIq gene, a repressor for barnase (barstar) being promoted by a modified 35S RNA CaMV promoter including the lac operon. The cassette is used to transform plant cells for regeneration into plants expressing the barnase in the target tissues with improved specificity and reduced promoter leakage.
OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2011 ACS on STN
AN 1995:346854 CAPLUS <<LOGINID::20110428>>
DN 122:98806
OREF 122:18495a,18498a
TI Transformation vectors that direct the integration of transforming DNA into the ribosomal DNA of a eukaryotic host
IN Jacobs, Eric
PA Transgene S.A., Fr.
SO PCT Int. Appl., 35 pp. CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1 PATENT NO. KIND DATE
APPLICATION NO. DATE ---------- ---- -------- -- ---------- --------
PI WO 9424300 A1 19941027 WO 1994-FR419 19940414 W: AU, CA, JP, US RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE FR 2703996 A1 19941021 FR 1993-4530 19930416 FR 2703996

B1 19950721 CA 2160697 A1 19941027 CA 1994-2160697 19940414 AU 9465719 A 19941108 AU 1994-65719 19940414 AU 686156 B2 19980205 EP 694072 A1 19960131 EP 1994-913647 19940414 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE JP 08508878 T 19960924 JP 1994-522836 19940414 US 6346414 B1 20020212 US 1995-532657 19951016
PRAI FR 1993-4530 A 19930416 WO 1994-FR419 W 19940414
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB Transposition cassettes that preferably integrate into the ribosomal DNA of a eukaryotic host and based on a eukaryotic transposable element are described for use in gene therapy. The vectors carrying these cassettes also carry all the functions necessary for integration. The construction of a cassette for integration of transforming DNA into the human 28 S rRNA gene using the mobile intron 3 of the Carolina strain of Physarum polycephalum is demonstrated. This cassette was then introduced into an adenovirus that also carried an expression cassette for the P. polycephalum mobility endonuclease I-Ppo-I. A neomycin resistance marker was also included in the constructs.
OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2011 ACS on STN
AN 1994:319682 CAPLUS <<LOGINID::20110428>>
DN 120:319682
OREF 120:56129a,56132a
TI Transgenic plants with altered starch productivity
IN Keeling, Peter Lewis; Lomako, Joseph; Gieowar-Singh, Dave; Singletary, George William; Whelan, William Joseph
PA Zeneca Ltd., UK
SO PCT Int. Appl., 84 pp. CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- ---- -------- -- ---------- --------
PI WO 9404693 A2 19940303 WO 1993-GB1821 19930826 WO 9404693 A3 19940331 W: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, VN RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG AU 9349707 A 19940315 AU 1993-49707 19930826 AU 685065 B2 19980115 EP 658208 A1 19950621 EP 1994-908157 19930826 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE US 5859333 A 19990112 US 1995-392816 19951218
PRAI GB 1992-18185 A 19920826 WO 1993-GB1821 W 19930826
AB Plants with an altered starch synthesizing ability are produced by incorporating into the genome of the plant .gtoreq.1 donor gene encoding a starch primer such as amylogenin, glycogenin, or protoglycogenin. The donor gene can be inserted into the host genome in the sense or anti-sense orientation. The recipient plant may be selected from Granimeae and Zea mays. The partially cloned amylogenin cDNA of B73 maize is disclosed and a procedure for the construction of ***transformation*** ***cassette*** described.
OSC.G 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L3 12 S L2 NOT 2010/PY
L4 9 S L3 NOT 2009/PY
L5 6 S L4 NOT 2008/PY
L6 6 S L5 NOT 2007/PY
L7 6 S L6 NOT 2006/PY

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